

[22750/514]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor : Christoph HILGERT

Serial No. : 10/006,597

Filed : December 4, 2001

For : **FLAT GASKET FOR A RECIPROCATING ENGINE OR
A DRIVEN MACHINE**

Examiner : To Be Assigned

Art Unit : To Be Assigned

**COPY OF PAPERS
ORIGINALLY FILED**



Commissioner for Patents
Washington, D.C. 20231

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, Washington, D.C. 20231

Dated

7/2/02

Signature

Richard L. Weyer (Reg No 22,490)

PRELIMINARY AMENDMENT

S I R:

Kindly amend the above-captioned application before examination, as set forth below.

IN THE CLAIMS:

On the first page of the claims, first line, change "What is claimed is:" to --WHAT IS CLAIMED IS:--.

Please cancel, without prejudice, claims 1 to 16.

Please add the following new claims:

-- 17. (New) A flat gasket for a reciprocating engine or a driven machine, comprising: at least one metal sheet 0.05 to 0.5 mm thick which is provided with a coating of an elastomer film at least on sides facing outward in at least one sealing area

and which has an edge area, formed by the outer contour or at least one cylinder bore or a water or oil passage in the cylinder head, adjacent to at least one peripheral self-contained cavity, wherein the cavity (2) is filled completely with a hydraulic medium (6).

18. (New) The flat gasket for a reciprocating engine or a driven machine according to Claim 17, wherein the metal sheet (1) is flanged back onto itself in the edge area, forming the cavity (2), and is joined to itself adjacent to the cavity.

19. (New) The flat gasket for a reciprocating engine or a driven machine according to Claim 17, wherein the cavity (2) is enclosed by at least one bead (3) of the metal sheet (1) and a second metal sheet (4) bridging the bead, which are permanently jointed together adjacent to the bead .

20. (New) The flat gasket for a reciprocating engine or a driven machine according to Claim 19, wherein the metal sheet (1) and the second metal sheet (4) are joined in a fluid-tight manner.

21. (New) The flat gasket for a reciprocating engine or a driven machine according to Claim 19, wherein in the area of the bead (3) the second metal sheet (4) has a second bead (5).

22. (New) The flat gasket for a reciprocating engine or a driven machine according to Claim 21, wherein the second bead (5) has a different design from that of the first bead (3).

23. (New) The flat gasket for a reciprocating engine or a driven machine according to Claim 21, wherein the second bead (5) has a profile with a smaller cross section than the first bead (3).

24. (New) The flat gasket for a reciprocating engine or a driven machine according to Claim 19, wherein the second metal sheet (4) has a second bead (5) in mirror image to the bead (3) of the first metal sheet (1).

2008/07/06 16:59:00

25. (New) The flat gasket for a reciprocating engine or a driven machine according to Claim 19, wherein a third metal sheet (8) is arranged between the first metal sheet (1) and the second metal sheet (4); and the third metal sheet is included in the connection between the first and second metal sheets; and the cavities (2) on both sides of the third metal sheet are in hydraulic connection (16) with one another.

26. (New) The flat gasket for a reciprocating engine or a driven machine according to Claim 25, wherein the third metal sheet (8) in the area of the first and second beads has a third bead (15) having a differently shaped profile.

27. (New) The flat gasket for a reciprocating engine or a driven machine according to Claim 26, wherein the first, second or third beads are subdivided into at least two partial beads (12).

28. (New) The flat gasket for a reciprocating engine or a driven machine according to Claim 17, wherein each cavity (2) is filled with a substance that is liquid at least under operating conditions.

29. (New) The flat gasket for a reciprocating engine or a driven machine according to Claim 28, wherein the substance is formed by a solder.

30. (New) The flat gasket for a reciprocating engine or a driven machine according to Claim 17, wherein the cavity is filled with a polymer material that is plastically or elastically deformable at least under operating conditions.

31. (New) The flat gasket for a reciprocating engine or a driven machine according to Claim 30, wherein the polymer material is formed by a thermoplastic, rubber or silicone.

32. (New) A cylinder head gasket comprising at least two flat gaskets according to Claim 17.--

REMARKS

This Preliminary Amendment cancels, without prejudice, claims 1 to 16 for the above-referenced patent application. The new claims, 17-32, inter alia, conform the claims to U.S. Patent and Trademark Office rules and do not add any new matter to the application.

It is respectfully submitted that the subject matter of the present application is new, non-obvious and useful. Prompt consideration and allowance of the application are respectfully requested.

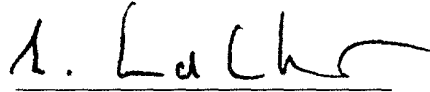
Respectfully submitted,

KENYON & KENYON

Dated:

7/2/02

By:



Richard L. Mayer
Reg. No. 22,490

One Broadway
New York, New York 10004
(212) 425-7200